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FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	ATTY DOCKET NO. 49584 (904)	SERIAL NO. 09/506,713
	APPLICANT(S) N. Mizutani, et al.	
	FILING DATE 2/18/00	GROUP NO.

UNITED STATES PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

EXAMINER: V. Manoharan **DATE:** 6/20/02

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Sheet 1 of 1

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		APPLICANT(S) : N. Mizutani, et al	
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UNITED STATES PATENT DOCUMENTS

EXAM. INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. APPR
VM	AA	3,717,553	2/20/73	S. Otsuki, et al	202	158	
VM	AB	3,988,213	10/26/76	S. Yoshida, et al	203	9	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRAN YES/NO
VM	BA	EP 0 856 343 A1	8/5/98	EPO			
VM	BB	10-76103	3/24/98	Japan			See English Abstract & Transla- tion of relevant passages

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

VM	CA	"Handbook of Distillation Engineering", edited by Hirata Mitsuho and Yorimitsu Masahiro. Published by Asakura Shoten 10/20/66. PP. 332 & 333; 341 & 342. Partial Translation of Relevant Passages provided.
VM	CB	"Properties of Perforated Trays Devoid of Downcomers", by Naoto Hashimoto and Sadao Masuda. Chemical Engineering, Vol 34, No 1 (1970), PP. 567-571. Complete Translation provided.

Examiner: VM Carlson	Date: 6/28/02 R 0000 SEARCHED INDEXED SERIALIZED FILED